

CHAPTER 4

POINT AND NONPOINT SOURCE CHARACTERIZATION OF THE FORT LOUDOUN LAKE WATERSHED

4.1. Background.

4.2. Characterization of HUC-10 Subwatersheds

4.2.A. 0601020101 (Little River)

4.2.B. 0601020102 (Tennessee River)

4.1. BACKGROUND. This chapter is organized by HUC-10 subwatershed, and the description of each subwatershed is divided into four parts:

- i. General description of the subwatershed
- ii. Description of point source contributions
- ii.a. Description of facilities discharging to water bodies listed on the 1998 303(d) list
- iii. Description of nonpoint source contributions

The Fort Loudoun Lake Watershed (HUC 06010201) has been delineated into two HUC 10-digit subwatersheds.

Information for this chapter was obtained from databases maintained by the Division of Water Pollution Control or provided in the WCS (Watershed Characterization System) data set. The WCS used was version 1.1 beta (developed by Tetra Tech, Inc for EPA Region 4) released in 2000.

WCS integrates with ArcView® v3.2 and Spatial Analyst® v1.1 to analyze user-delineated (sub)watersheds based on hydrologically connected water bodies. Reports are generated by integrating WCS with Microsoft® Word. Land Use/Land Cover information from 1992 MRLC (Multi-Resolution Land Cover) data are calculated based on the proportion of county-based land use/land cover in user-delineated (sub)watersheds. Nonpoint source data in WCS are based on agricultural census data collected 1992–1998; nonpoint source data were reviewed by Tennessee NRCS staff.

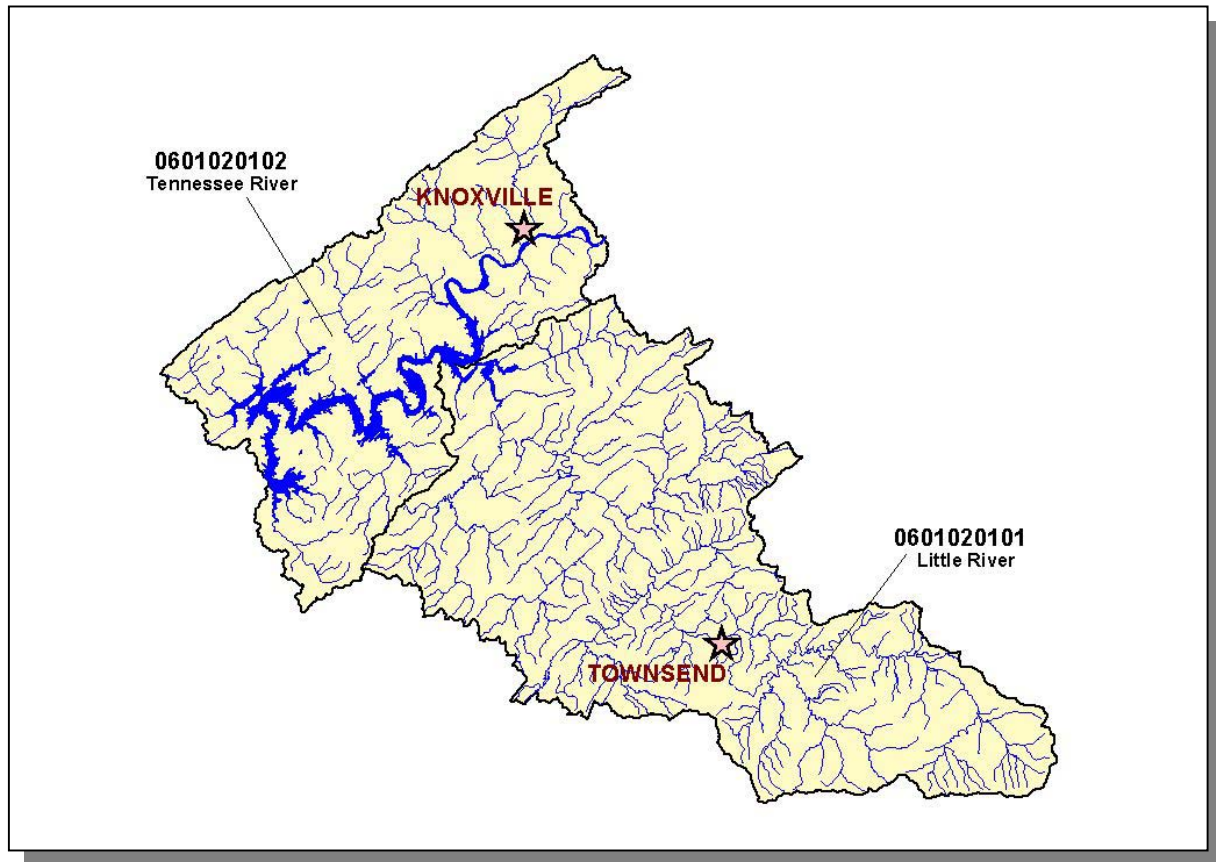


Figure 4-1. The Fort Loudoun Lake Watershed is Composed of Two USGS-Delineated Subwatersheds (10-Digit Subwatersheds). Locations of Knoxville and Townsend are shown for reference.

4.2. CHARACTERIZATION OF HUC-10 SUBWATERSHEDS. The Watershed Characterization System (WCS) software and data sets provided by EPA Region IV were used to characterize each subwatershed in the Fort Loudoun Lake Watershed.

HUC-10	HUC-12
0601020101	060102010101 (Little River)
	060102010102 (Middle Prong Little River)
	060102010103 (Little River)
	060102010104 (Little River)
	060102010105 (Little River)
	060102010106 (Little River)
	060102010107 (Pistol Creek)
	060102010108 (Stock Creek)
060102010102	06010201010201 (Tennessee River)
	06010201010202 (First Creek)
	06010201010203 (Second Creek)
	06010201010204 (Third Creek)
	06010201010205 (Tennessee River)
	06010201010206 (Lackey Creek)
	06010201010207 (Fort Loudoun Lake)
	06010201010208 (Ten Mile Creek)
	06010201010209 (Turkey Creek)
	06010201010210 (Ish Creek)

Table 4-1. HUC-12 Drainage Areas are Nested Within HUC-10 Drainages. NRCS worked with USGS to delineate the HUC-10 and HUC-12 drainage boundaries.